

Claims.

---

1.- A method for transmitting signals in a projection system, including the step of transmitting signals to two or more projection elements, which projection elements are each used for projecting a plurality of colors, with at least one of these projection elements having a different polarization state for at least one of the colors projected by the respective projection element, wherein the signals, supplied to said projection elements for one or more colors, are swapped in order to result in a desired polarization for each of the respective colors.

2.- The method according to claim 1, whereby it is applied in combination with projection elements, consisting of LCD and/or LCoS projectors.

3.- The method according to claim 1, wherein a signal synchronisation takes place.

4.- The method according to claim 1, whereby it is used in combination with retarders, more particularly, retardation foils to provide in the required polarization directions for projecting the images.

5.- The method according to claim 1, whereby it is used for a stereo projection.

6.- A projection system, wherein said system comprises electronic and optical devices which apply the method according to any of the preceding claims.

7.- The projection system according to claim 6, which comprises:

two or more LCD or LCoS projectors that have a different polarization state in one or two of the three colors red, green or blue;

one signal synchronisation and colors swapping unit (1), or more of these units, in which some of the output colors are swapped, agreeing to the color or colors that have a different polarization state in the target LCD or LCoS projectors; and

two substantially broadband halfwave or quarterwave retarder foils (9) applied inside or outside of the two LCD or LCoS projectors.